Pollutant	Ambient Measure-ment	Averaging Period	Type of Summary	Standard Level Concentration		
				Primary National	Secondary National	North Carolina
TSP	24 hour average	1 year	geometric mean	([1])	([1])	75 μg/m^3
		1 day	2nd maximum	([1])	([1])	150 μg/m^3
PM-10	24 hour average	1 year	average[2] arithmetic mean	50 μg/m^3	50 μg/m^3	50 μg/m^3
		1 day	2nd maximum[3]	150 μg/m^3	150 μg/m^3	150 μg/m^3
PM-2.5	24 hour average	1 year	average[2] arithmetic mean	15 μg/m^3	15 μg/m^3	([4])
		1 day	average[2] 98th percentile	65 μg/m^3	65 μg/m^3	([4])
CO	1 hour average	8 hours	2nd maximum	9 ppm (10 mg/m^3)		9 ppm (10 mg/m^3)
		1 hour	2nd maximum	35 ppm (40 mg/m^3)		35 ppm (40 mg/m^3)
O_3	1 hour average	1 hour	expected[5] 2nd maximum	0.12 ppm (235 μg/m^3)	0.12 ppm (235 μg/m^3)	0.12 ppm (235 μg/m^3)
		8 hours	expected arith. mean[5] 4th maximum	0.08 ppm (157 μg/m^3)	0.08 ppm (157 μg/m^3)	([6])
SO_2	1 hour average	1 year	arithmetic mean	0.03 ppm (80 μg/m^3)		0.03 ppm (80 μg/m^3)
		1 day	2nd maximum	0.14 ppm (365 μg/m^3)		0.14 ppm (365 μg/m^3)
		3 hours (non-overlapping)	2nd maximum		0.50 ppm (1300 μg/m^3)	0.50 ppm (1300 μg/m^3)
NO_2	1 hour average	1 year	arithmetic mean	0.053 ppm (100 μg/m^3)	0.053 ppm (100 μg/m^3)	0.053 ppm (100 μg/m^3)
Pb	24-hour average	1 quarter	arithmetic mean	1.5 μg/m^3	1.5 μg/m^3	1.5 μg/m^3

NOTES:
[1]National TSP standards were discontinued in 1987 and superseded by standards for PM-10.
[2]Arithmetic mean over the 3 most current years.
[3]In July 1997, the basis for this standard was changed to the 99th percentile instead of the 2nd maximum.
[4]National PM-2.5 standards became effective in July 1997 and probably will be adopted as North Carolina standards.
[5]Arithmetic mean over the 3 most recent complete calendar years.
[6]The 8-hour average ozone standard became effective in July 1997 and probably will be adopted as the North Carolina standard.

3. Monitoring Sites

North Carolina has 117 sites for monitoring air quality across the state. This network